

# RESPECT. RESPONSIBILITY. REVOLUTION.

weko

## TOGETHER TOWARDS A MORE SUSTAINABLE TEXTILE INDUSTRY

New innovative and contact-free spray applicators are revolutionizing the whole textile finishing process. The specially designed **WEKO-NEO** finishing system and the new processing is adaptable to any existing or new stenter frame, coating or Pad-Steam line. One system fits it all spending the given savings in resources and costs.

Examples for single or both side processing of cotton, viscose, polyester and blended fibers:

|  |   |
|--|---|
|  COLOR FIXATION                   |  FLAME RETARDANT     |
|  EASYCARE WASH AND WEAR           |  FINISHING AVIVAGE   |
|  ANTIMICROBIAL                    |  COATING             |
|  HANDFEEL MODIFICATION            |  FRAGRANCE           |
|  HYDROPHILIC                      |  SEWABILITY IMPROVER |
|  HYDROPHOBIC                      |  UV-PROTECTION       |
|  DIRT REPELLENT<br>SOIL REPELLENT |  ANTI-STATIC         |

### TEXTILE FINISHING WITH WEKO-NEO

New innovative applications are revolutionizing the whole textile finishing process. The worldwide textile production is suffering from immense cost pressure and is driven by using high volumes of fresh water, energy and chemicals with comparatively slow production speeds.

Therefore WEKO presents latest technology to combine a more sustainable process with cost saving production.

Whether you apply softening, sewability improvement, hydrophobic, dirt or soil repellent, flame retardant, color fixing, antibacterial or hydrophilic agents - the use of auxiliary and the necessary dryer energy

is significantly reduced by the exact pick-up control due to forced spray application. WEKO could adjust penetration level to fabric and therefore creates penetration only when needed. Most of the finishing applications are needed purely on top surface with very less penetration e.g. in fixing, softening, hydrophobic. Whether you are doing wet or dry fabric processing, knit or woven fabrics – WEKO application technology gives you a huge benefits by reducing heat energy, chemical and water consumption as well as machine down times.

Brands and retailers are massive looking for new sustainable textile processing.

**BE THE MOST LIKED BRAND SUPPLIER!**



# BE UNIQUE, PROFITABLE AND SUSTAINABLE!

weko

NEO

## SAVE UP TO

- **70% OF WATER**
- **65% OF CHEMISTRY**
- **80% DRYING ENERGY**

## ELIMINATE

- **TAILING**
- **CENTER-SIDE-VARIATION**
- **LONG DOWNTIMES**
- **BOTH SIDE APPLICATION IF NEEDED**

## REDUCE

- **PCF**
- **MATERIAL STRESS**

## RAISE

- **LINE SPEED**
- **MACHINE UPTIME**
- **PROFITABILITY**

**WATER** – one of the most important resources for mankind! About 100-150 liters of valuable water are required to process 1 kg of cotton and cotton blend fabric. We should have respect for this resource and always be aware of our responsibility by taking care of a water reduced textile production!

**ENERGY** is mostly created by intensive processing of diverse resources and beside its costs, it has a big influence on our PCF. Reducing costs and PCF is an important goal of worldwide economic activities. During finishing on stenter frames, mostly paddler/foulard is used with an integrated squeezing unit. Very high wet pick up rate is used, e.g. upto 60-70% in wet on dry and up to 100-120 in wet on wet in some field of textile processing like knits. This results in high energy consumption.

**PRODUCTION EFFICIENCY** is a must for realizing reasonable pricing to brand owners and retailers. On diverse textiles, especially with higher weight, the installed drying capacities are partly too low and speed must be dramatically reduced by up to 65 %. Constantly increasing product variety and shorter batch length result in costly downtime of machinery, higher waste of material, power and auxiliaries.



## YOUR BENEFITS

- Reduced pick-up
- No material contact (no stress)
- Less drying energy
- High speed production
- Saving water and waste water
- Repeatable quality
- Adjustable penetration level

## APPLICATIONS

- Fixation
- Resin finish
- Flat finish
- Lustre / Brilliance
- Grip modification (f.e. Softener)
- Tinting and over-dying
- Whatever you need

